Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) An image forming apparatus comprising:

a heating member which includes a conductive member containing a coil for, when supplied with a voltage and current of a specific frequency, producing a magnetic field of a specific magnetic field intensity and generating heat by the magnetic field supplied from the coil;

a cover which covers the image forming apparatus and houses the heating member; and

a magnetic field attenuating member ~~mechanism (shield plate 202)~~ which is placed between the heating member and the cover, and which is capable of attenuating the magnetic field intensity of the magnetic field passing through the magnetic field attenuating member. ~~mechanism; and~~

~~at least one magnetic field attenuating mechanism unit which is provided between a specific magnetic field intensity measuring point and the coil.~~

2. (Currently amended) The image forming apparatus according to claim 1, wherein ~~if~~ the magnetic field attenuating member ~~mechanism~~ has a thickness of h1 and includes a material whose skin depth is $\delta 1$, and the conductive member has a thickness of h2 and includes a material whose skin depth is $\delta 2$, h1, $\delta 1$, h2, and $\delta 2$ having the following relationship ~~expression holds~~:

$$\frac{h\,1}{\delta\,1}+\frac{h\,2}{\delta\,2}\geqq 5.$$

3. (Original) The image forming apparatus according to claim 2, wherein the skin depths $\delta 1$ and $\delta 2$ are determined according to the frequency of the power supplied to the coil to generate a magnetic field of the highest magnetic field intensity.

4. (Currently amended) The image forming apparatus according to claim 1, wherein ~~if~~ the magnetic field attenuating member ~~mechanism~~ has a thickness of h1 and includes a material whose skin depth is $\delta 1$, h1, and $\delta 1$ having the following relationship ~~expression holds~~:

$$\frac{h\,1}{\delta\,1} \geqq 5.$$

5. (Original) The image forming apparatus according to claim 4, wherein the skin depth $\delta 1$ is determined according to the frequency of the power supplied to the coil to generate a magnetic field of the highest magnetic field intensity.

6. (Currently amended) The image forming apparatus according to claim 1, wherein the magnetic field attenuating member ~~mechanism~~ is made of aluminum or an aluminum alloy and has a thickness of 0.1 mm or more.

7. (Currently amended) The image forming apparatus according to claim 1, wherein the distance between the magnetic field attenuating member ~~mechanism~~ and the coil is 80 mm or less.

8. (Currently amended) An image forming apparatus comprising:

a heating member which includes a conductive member having on its outside a coil for, when supplied with a voltage and current of a specific frequency, producing a magnetic field of a specific magnetic field intensity and generating heat by the magnetic field supplied from the coil;

a cover which covers the image forming apparatus and houses the heating member;

a circuit which is housed in the cover; and

a magnetic field attenuating member ~~mechanism (shield plate 202)~~ which is placed between the heating member and the circuit and which is capable of attenuating the magnetic field intensity of the magnetic field passing through the magnetic field attenuating member. ~~mechanism; and~~

~~at least one unit of the magnetic field attenuating mechanism which is provided between a specific magnetic field intensity measuring point and the coil.~~

9. (Currently amended) The image forming apparatus according to claim 8, wherein ~~if~~ the magnetic field intensity attenuating member ~~mechanism~~ has a thickness of h1 and includes a material whose skin depth is $\delta 1$, and the conductive member has a thickness of h2 and includes a material whose skin depth is $\delta 2$, h1, $\delta 1$, h2, and $\delta 2$ having the following relationship ~~expression holds~~:

$$\frac{h1}{\delta 1} + \frac{h2}{\delta 2} \geqq 5.$$

10. (Original) The image forming apparatus according to claim 9, wherein the skin depths $\delta 1$ and $\delta 2$ are determined according to the frequency of the power supplied to the coil to generate a magnetic field of the highest magnetic field intensity.

11. (Currently amended) The image forming apparatus according to claim 8, wherein ~~if~~ the magnetic field attenuating member ~~mechanism~~ has a thickness of h1 and includes a material whose skin depth is $\delta 1$, h1, and $\delta 1$ having the following relationship ~~expression holds~~:

$$\frac{h1}{\delta 1} \geqq 5.$$

12. (Original) The image forming apparatus according to claim 11, wherein the skin depth $\delta 1$ is determined according to the frequency of the power supplied to the coil to generate a magnetic field of the highest magnetic field intensity.

13. (Currently amended) The image forming apparatus according to claim 8, wherein the magnetic field attenuating member ~~mechanism~~ is made of aluminum or an aluminum alloy and has a thickness of 0.1 mm or more.

14. (Currently amended) The image forming apparatus according to claim 8, wherein the distance between the magnetic field attenuating member ~~mechanism~~ and the coil is 80 mm or less.

15. (New) The image forming apparatus according to claim 1, wherein the coil is placed inside the conductive member.

16. (New) The image forming apparatus according to claim 8, wherein the coil is placed inside the conductive member.

17. (New) The image forming apparatus according to claim 1, wherein the coil is placed outside the conductive member.

18. (New) The image forming apparatus according to claim 8, wherein the coil is placed outside the conductive member.